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BOOSTED AIR SOURCE HEAT PUMP

Abstract:

A boosted source heat pump (BSHP) is presented having a primary compressor, a booster compressor, an economizer, and a lubricant management system. At least the primary compressor is a twin-single compressor. The lubricant management system includes traps to prevent migration of lubricant to a non-operating compressor, and aspiration tubes from the sump to the low pressure intake zone to each compressor.